

following the procedure described in the Guide for the Determination of Types, 4C (Stafleu et al., 1978).

LECTOTYPE: COSTA RICA. PROV. HEREDIA: Alto del Roble, *Pohl & Gabel 13577* (ISC).

LITERATURE CITED

POHL, R. W. 1980. *Flora Costaricensis*: Family #15 Gramineae. *Fieldiana (Botany)*, n.s. 4: 1–608.
STAFLEU, F. A. et al. (editors). 1978. *International Code of Botanical Nomenclature*. *Regnum Veg.* 97: 1–456. Bohn, Scheltena & Hokkema, Utrecht.

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SETARIA VARIIFOLIA (SWALLEN) DAVIDSE, A NEW COMBINATION (GRAMINEAE: PANICOIDEAE)

Panicum variifolium Swallen, *Publ. Carnegie Inst. Wash.* 436: 345. 1934 is a distinctive species of the Yucatán Peninsula that should be treated as a species of *Setaria*. *Setaria variifolia* (Swallen) Davidse, *comb. nov.*, has a single bristle subtending the terminal spikelet on each branch and occasionally some of the lower spikelets as well. This leaves no doubt as to its generic affinity with *Setaria*. Its slender, elliptic, acuminate spikelets with the upper floret only weakly rugose suggests a close relationship with subgenus *Ptychophyllum*. However, the blades appear to be flat rather than plicate as in *Ptychophyllum*. This plus the condensed, sparingly branched, few-flowered inflorescence suggests affinity to subgenus *Paurochaetium*. Further observations, especially field studies on the form of the blades, should eventually clarify these difficulties.

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ANN. MISSOURI BOT. GARD. 68: 226. 1981.

RECOGNITION OF *BRACHISTUS* (SOLANACEAE)

The genus *Brachistus* Miers was reduced to a section of *Witheringia* L'Her. by Hunziker (1969). Further consideration of this group of plants, especially with regard to the calyx, which is dentate or lobate instead of truncate and hence has quite different vasculature, has led to belief by ourselves and by Hunziker that *Brachistus* should be restored to generic rank. Support for this concept will appear in a later publication. *Brachistus*, in our view, embraces only the species listed here and not the many others mistakenly placed in the genus in the past.

ANN. MISSOURI BOT. GARD. 68: 226. 1981.